

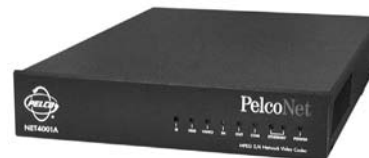


PelcoNet™ NET4001A

IP NETWORK VIDEO TRANSMISSION WITH DVD QUALITY VIDEO

Product Features

- DVD Quality Video
- Simultaneous MPEG-2 and MPEG-4 Video Streams
- Full Integration with Pelco's Matrixes, Genex® Multiplexers, Spectra® Domes, and Esprit® Positioning Systems
- Video, Audio, and Data over IP
- Adjustable Bandwidth, Image Rate, and Quality
- View Video on PC, Analog Monitor, or Both
- NTSC and PAL
- 1 Alarm Inputs, 1 Relay Outputs
- Serial Port RS-422 Programmable
- Includes Rack Kit for EIA Standard Rack Mounting



NET4001A TRANSMITTER/RECEIVER (FRONT)



NET4001A TRANSMITTER/RECEIVER (REAR)

The **NET4001A** brings DVD quality video in MPEG-2 or MPEG-4 format to Pelco's line of video transmission systems. Additionally, its versatility as a transmitter or receiver eliminates the inconvenience of ordering different products for transmitting and receiving video.

The **NET4001A** can be used in all applications where RG-59/U coax cable is unfeasible due to distance or installation difficulty. The IP-based video transmission system can display video on a PC using Internet Explorer, an analog monitor, or both. The traditional limitation in IP-based video has been reduced image quality, but now DVD quality images are available using the **NET4001A**.

The **NET4001A** transmits or receives live video, data, and audio across existing Ethernet networks. Sending video and audio over computer networks yields significant cost savings by using an existing computer network to monitor a remote site. The **NET4001A** saves installation costs (no separate cabling required), allows toll-free operation (intranets), and saves management costs (single, uniform network).

With minimal setup, the **NET4001A** transmission system can be installed and running in minutes.

When using two **NET4001As**, connect a camera to a transmitter unit and an analog monitor to a receiver unit. Then connect the transmitter and receiver to the network and configure IP addresses for the equipment using a standard terminal program or any Internet browser. If you need to control a camera (operate pan, tilt, and lens functions, or do presets and patterns), an RS-232 data interface links the keyboard controls to the network and then from the network to the camera system.

Instead of (or in addition to) a receiver and monitor, an Internet browser can be used at the receiving end to display video on a PC. On-screen keyboards in the **NET4001A** let you control the following devices over the network: System 9700 Series or CM6700/CM6800 matrix controller, Genex multiplexers, Spectra domes, and Esprit positioning systems.

The **NET4001A** now gives you DVD quality video when using computer networks to interface your control and monitoring stations with remote camera sites, whether they be in the same building, across the country, or around the world.



TECHNICAL SPECIFICATIONS

MODELS

NET4001A Network video transceiver that encodes and decodes video, audio, and control data for transmission over an IP network.

Minimum Requirements:

- PC (Pentium® 4 microprocessor, 1.6 GHz) with Windows® 98/2000/XP or higher operating system
- 256 Mbyte RAM
- ATI RADEON™ 7500 or 8500, Matrox® G550 or Parhelia™, or NVIDIA® GeForce™ 3 or 4 with direct show-compatible MPEG-2 playback capability (DVD player) graphic card
- 100 Mbit ethernet card
- Sound card required for audio application
- Microsoft® Internet Explorer 5.5 (or higher) or free serial interface and terminal program or PelcoNet NET4001A (acting as receiver) and video monitor
- DirectX® 8.1 or 9.0
- Microsoft Virtual Machine
- Screen resolution of 800 x 600 pixels or higher, 16- or 32-bit pixel color resolution

NETWORK PROTOCOL AND STANDARDS COMPATIBILITY

Internet Configuration RTP, RTCP, UDP, TCP, IP, HTTP, SNMP, IGMP, ICMP, ARP, DHCP

Video Coding MPEG-2, MPEG-4, (M-JPEG in Server Push mode only)

Video Frame Rate Up to 30 images/second

INTERFACES

Video Input 1, BNC, PAL/NTSC, 75 ohms, 1 Vp-p

Video Output 1, BNC, PAL/NTSC, 75 ohms, 1 Vp-p

Audio Input RCA phono jack, stereo

Audio Output RCA phono jack, stereo

LAN Interface UTP (Ethernet 10/100BASE-T autosensing), RJ-45

LAN Data Rate (approx.)
MPEG-2 1 Mbit/s to 6 Mbit/s
MPEG-4 9.6 kbit/s to 1.5 Mbit/s

Data Interface 2, RS-232/RS-422/RS-485, bi-directional (9-pin, D-sub)

Alarm Input 1 terminal for direct connection of control, maximum 40 V, 0.8 A

Alarm Output 1 terminal for relay

VIDEO

Video Standards PAL, NTSC

Video Image Size
PAL 704 x 576 pixels (high resolution)
352 x 288 pixels (CIF)
NTSC 704 x 480 pixels (high resolution)
352 x 240 pixels (CIF)

Power
Operating Voltage 90-250 VAC, 50/60 Hz
LED Displays 9 LEDs (video, in, out, Ethernet port (2), IR*, HDD*, COM port, power)

* For future use

ENVIRONMENTAL

Operating Temperature 32° to 122°F (0° to 50°C)

Operating Humidity 80% maximum relative humidity, noncondensing

Storage Temperature -4° to 140°F (-20° to 60°C)

Storage Humidity 95% maximum relative humidity, noncondensing

GENERAL

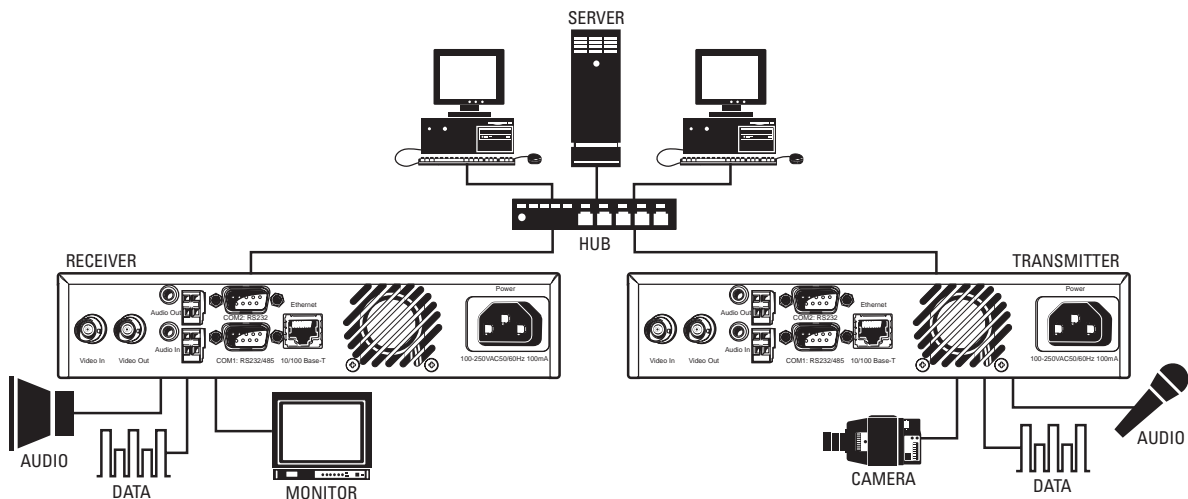
Dimensions 1.7" H x 8.1" W x 11.9" D (4.4 x 20.5 x 30.1 cm)

Unit Weight Approx. 4.4 lb (2.0 kg)

Shipping Weight Approx. 8 lb (3.6 kg)

CERTIFICATIONS

- CE, Class B
- cTUVus
- FCC, Class B



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